



# FEMA



Prepared by  
*Jennifer McNatt*

# FEMA Region 6 Weather Threat Briefing

Monday, September 24, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today and Tuesday

- Heavy rainfall will be possible in **NE AR** today.
- River flooding will continue in **TX** and **SE OK**.
- No other significant weather is expected.

## Wednesday - Friday

- Isolated heavy rain possible across **S LA** into **SE & S-Central TX**.

## Tropical Outlook

- Tropical Depression Kirk is about **950 miles WSW** of the southernmost **Cabo Verde Islands** and continues to quickly move west.
  - Maximum sustained winds are near **35mph**. Some strengthening is forecast during the next day or two. Weakening is likely during the middle to latter part of the week.
- Subtropical Storm Leslie is in the **North Atlantic** and will have no impact to **Region VI**.
- A broad area of low pressure continues to produce a limited amount of shower and thunderstorm activity. Environmental conditions are forecast to become slightly more conducive for development during the next day or so while the system moves **W-NW** to **NW**. By Tuesday night and Wednesday, upper level winds are expected to increase, limiting the chances for additional development, while the system moves northward near the **SE U.S. Coast**. No impacts to **Region VI** expected.
  - Formation chance through 48 hours...low...**20%**
  - Formation chance through 5 days...medium...**40%**

# FEMA Region 6 Threat Matrix

Sept 24, 2018 – Sept 28, 2018



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DAY / THREAT	MON	TUE	WED	THU	FRI
Severe Storms					
Heavy Rain / Flash Flooding	NE AR		STX	S LA, SE & S-Central TX	S LA, SE & S-Central TX
Fire Weather					
Tropical Weather					
River Flooding	SE OK, N & STX	SE OK, N & STX	SE OK, N & STX	SE OK, N & STX	SE OK, N & STX

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

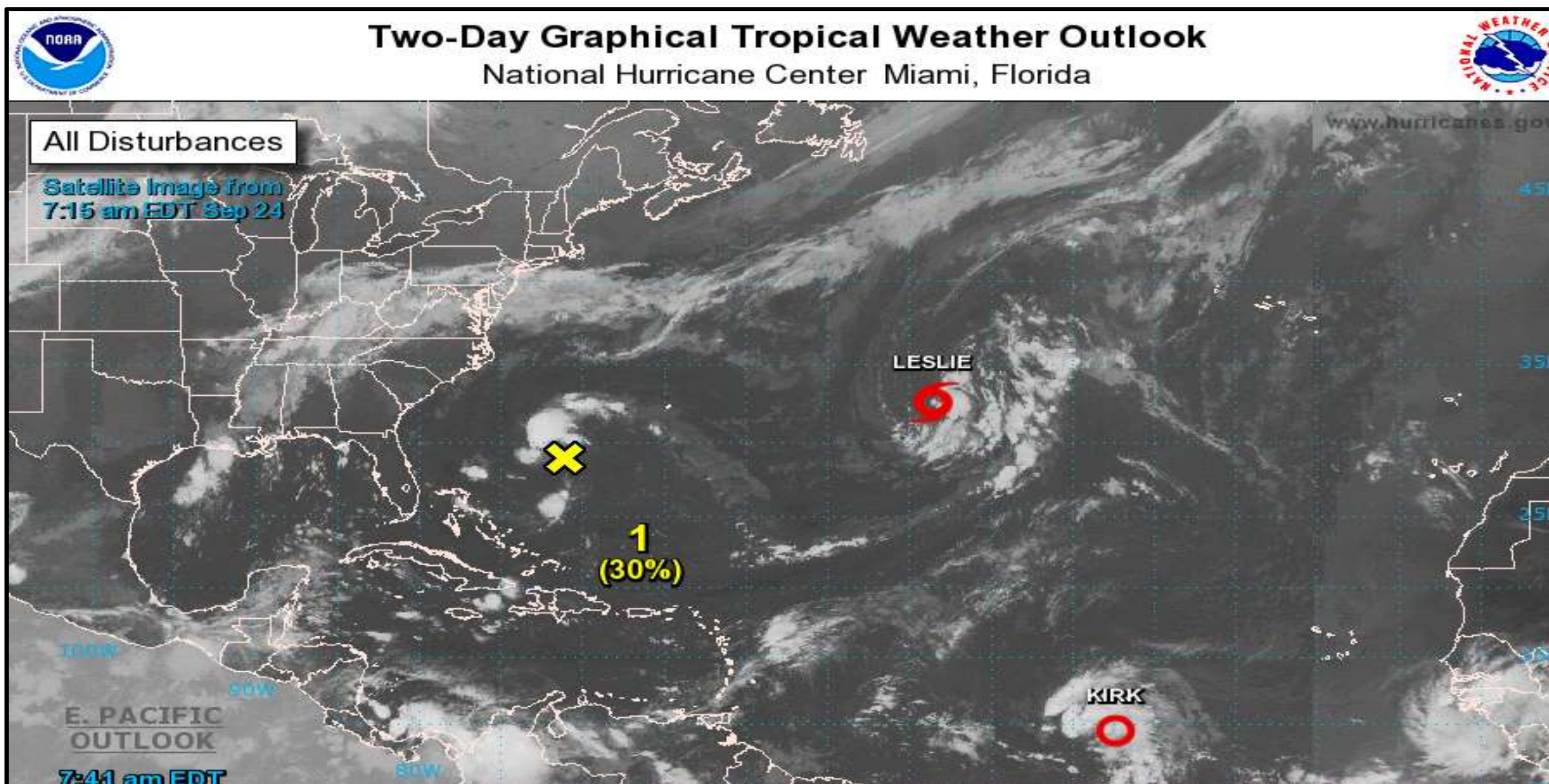
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



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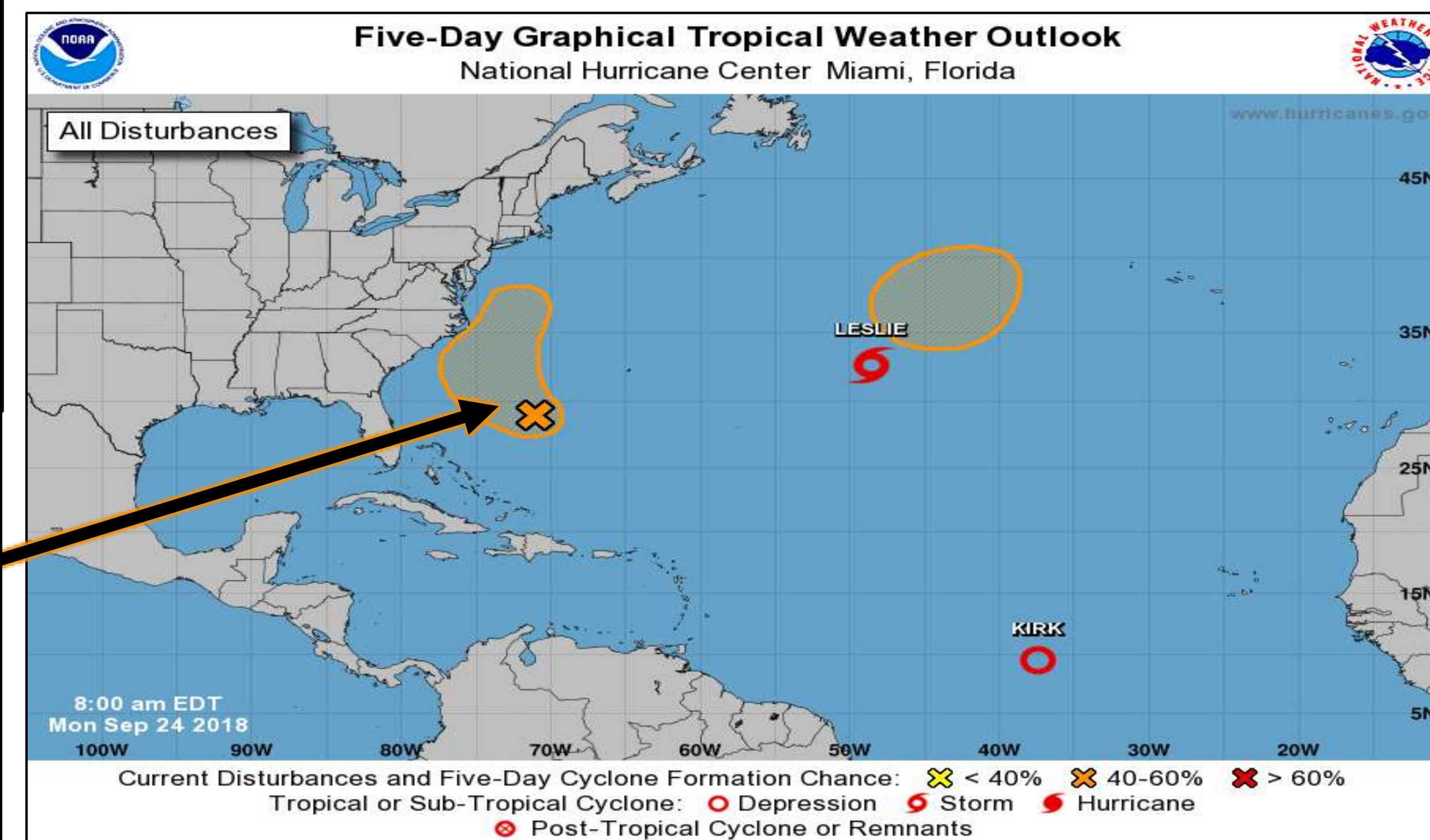


**A broad area of low pressure continues to produce a limited amount of shower and thunderstorm activity. Environmental conditions are forecast to become slightly more conducive for development during the next day or so while the system moves W-NW to NW. By Tuesday night and Wednesday, upper level winds are expected to increase, limiting the chances for additional development, while the system moves northward near the SE U.S. Coast.**

**Formation chance through 48 hours...low...30%**

**Formation chance through 5 days...medium...40%**

**See next slide for information on Tropical Depression Kirk and Tropical Storm Leslie.**

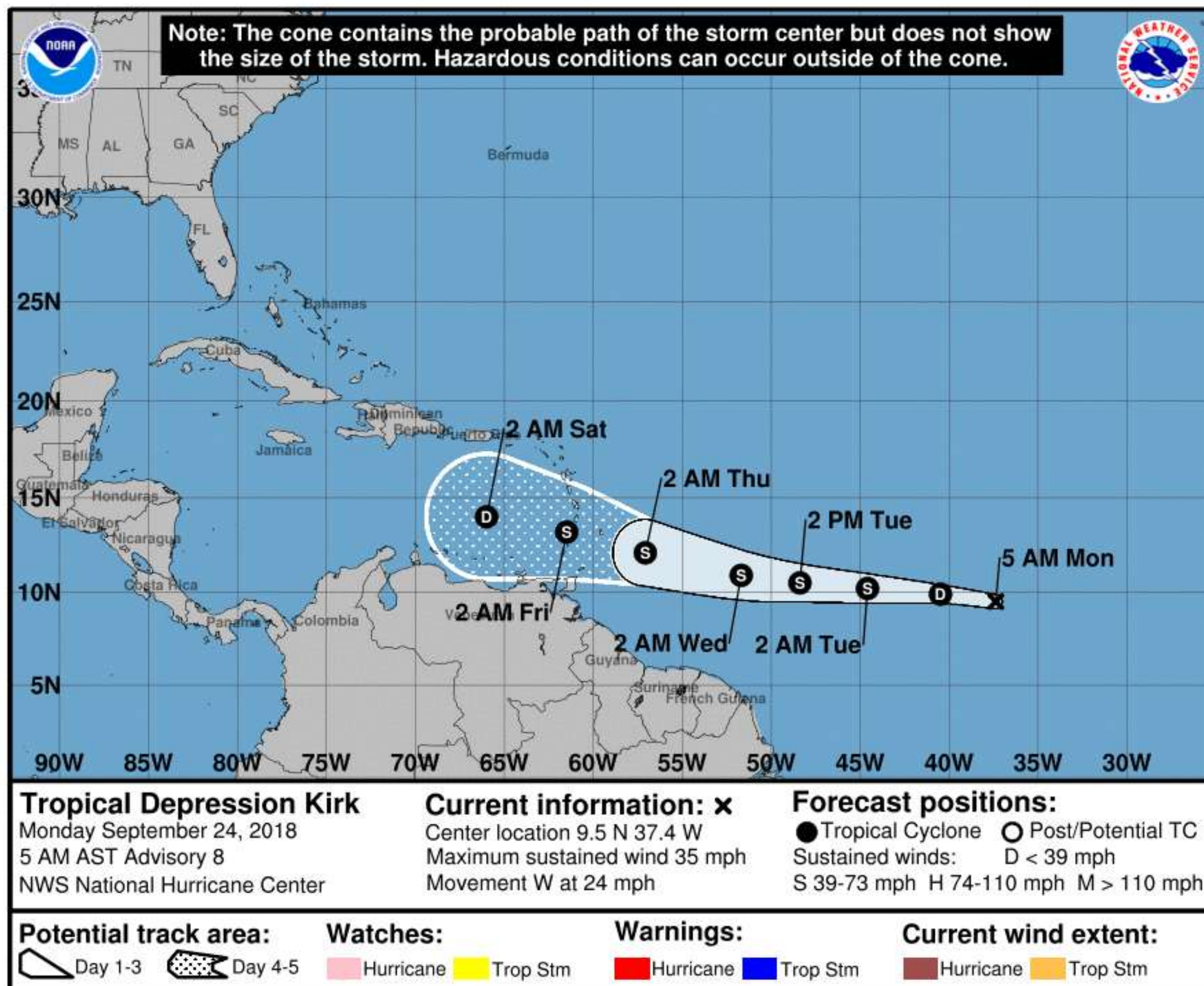




# Tropical Depression Kirk



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Tropical Storm Kirk is moving quickly westward over the eastern tropical Atlantic. It is currently moving around 24mph and this fast motion is expected to continue for another day or so. A decrease in forward speed is expected by Wednesday.

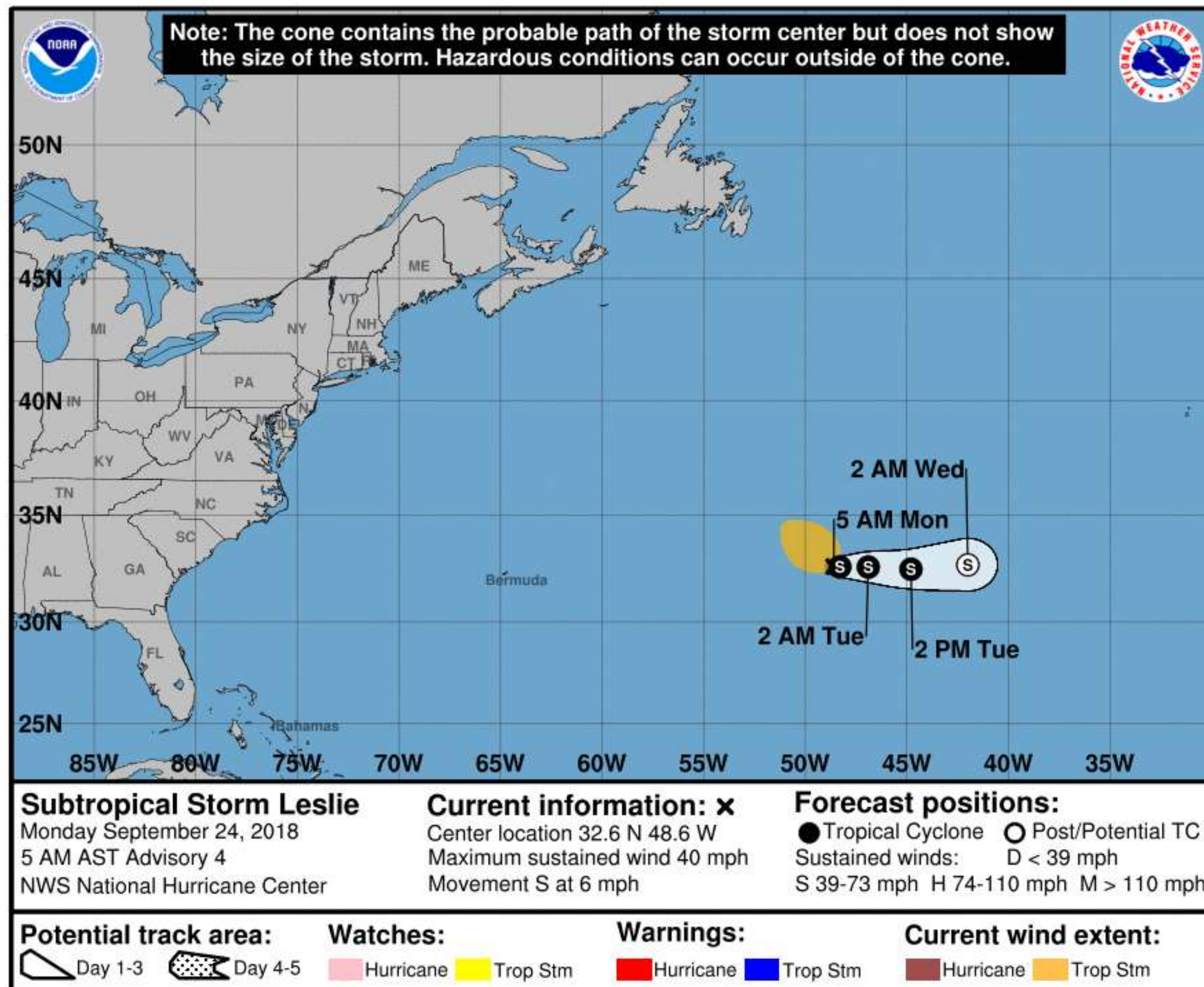
Maximum sustained winds are near 35mph, and although some slight strengthening is forecast during the next few days, it is possible that Kirk could degenerate into a trough of low pressure during the next day or two while it moves quickly across the tropical central Atlantic.



# Tropical Storm Leslie



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**Tropical Storm Leslie is forecast to move east and will have no impact to FEMA Region IV.**

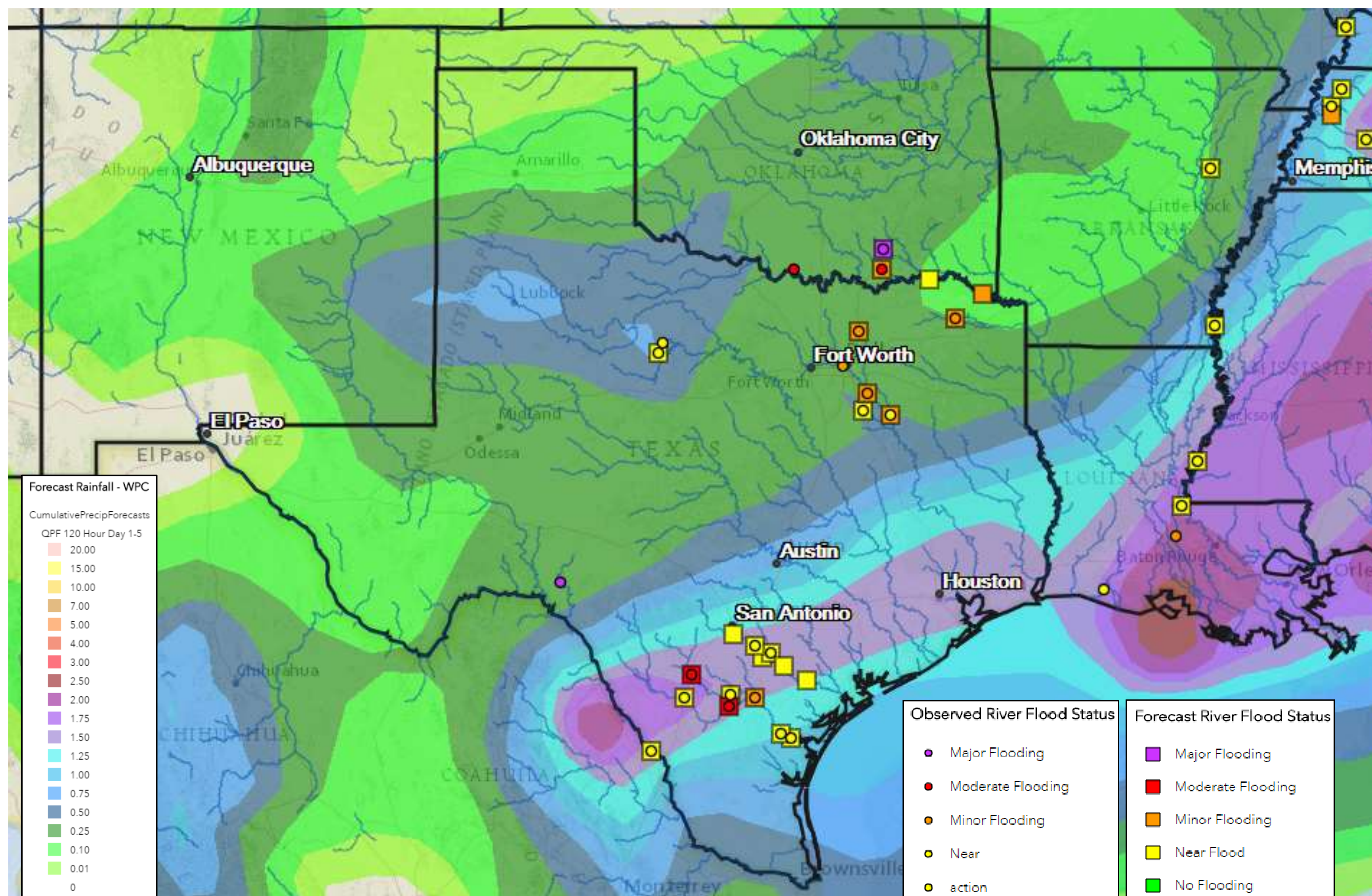


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**River flooding in Dallas will continue to recede.**  
**Ongoing flooding on the Nueces and high inflows into Lake Corpus.**

**The Clear Boggy Creek above Caney Creek near Caney in SE OK is in Major Flood Stage, but has crested and should transition to Moderate Flooding by this afternoon. Agricultural impacts are likely, along with rural roads impassable.**

**Moderate Flooding is also ongoing along the Blue River near Blue, OK, but should fall to Minor Flooding by this afternoon.**

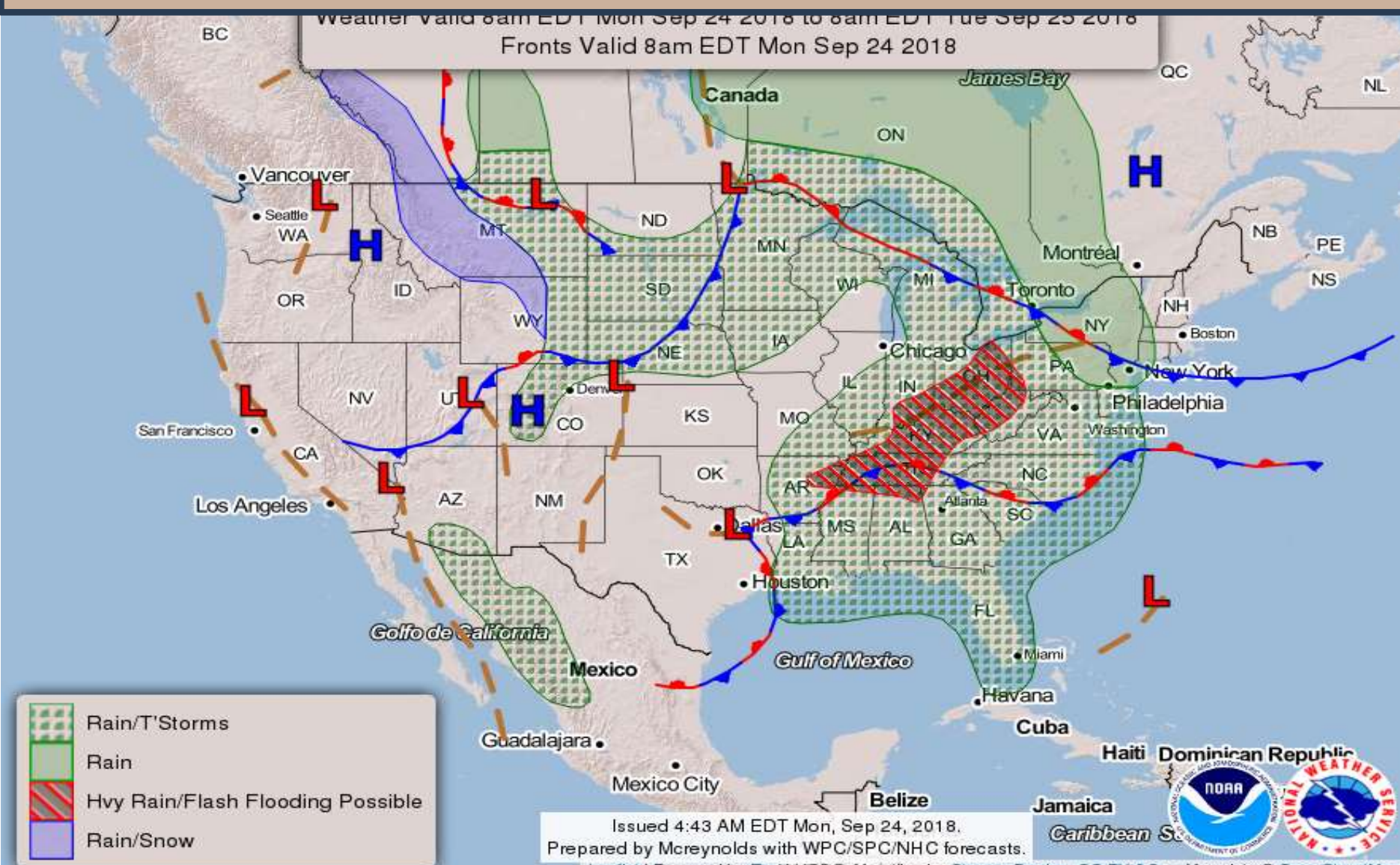


# Today's Weather

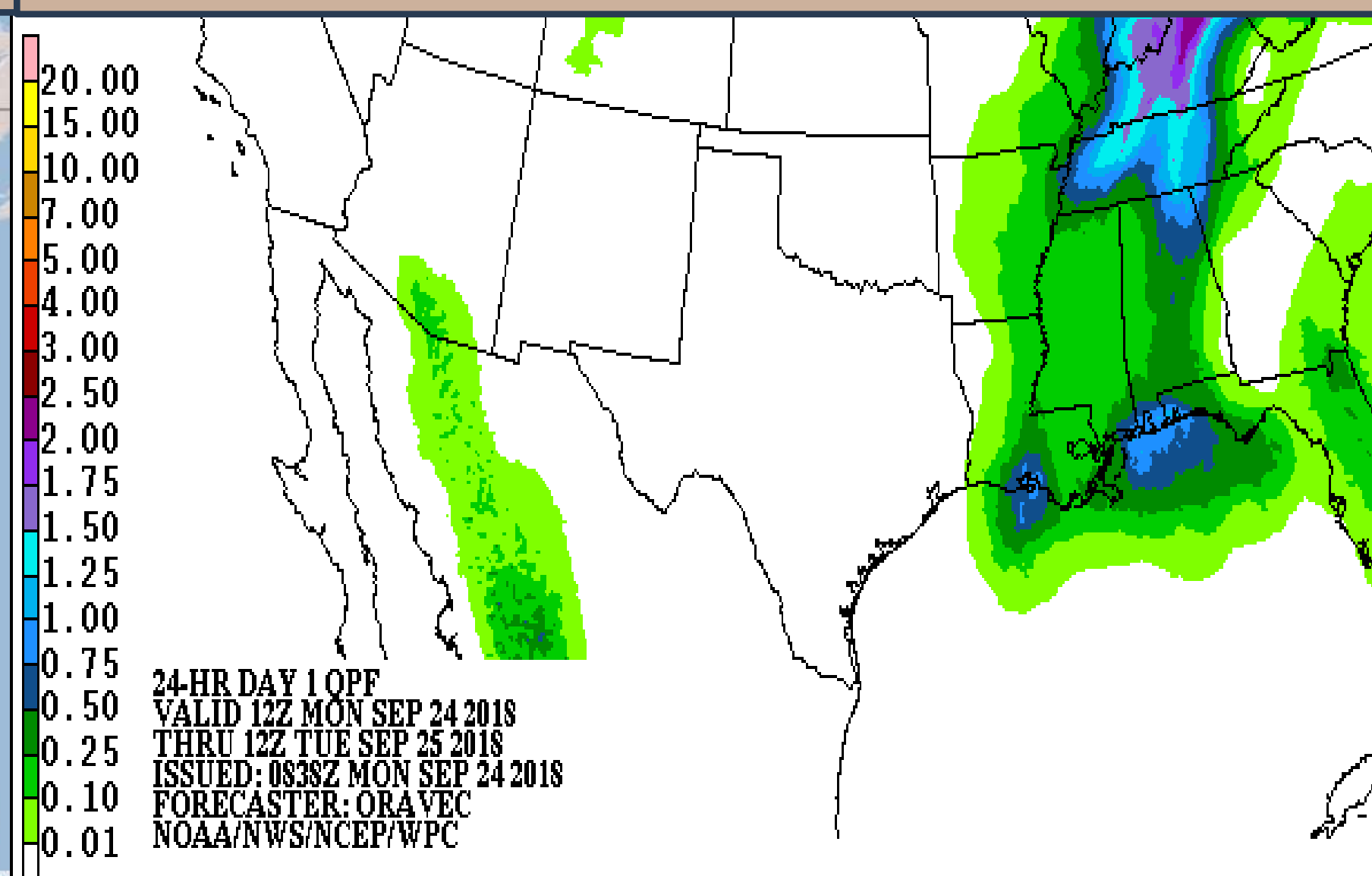


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## Forecast Chart

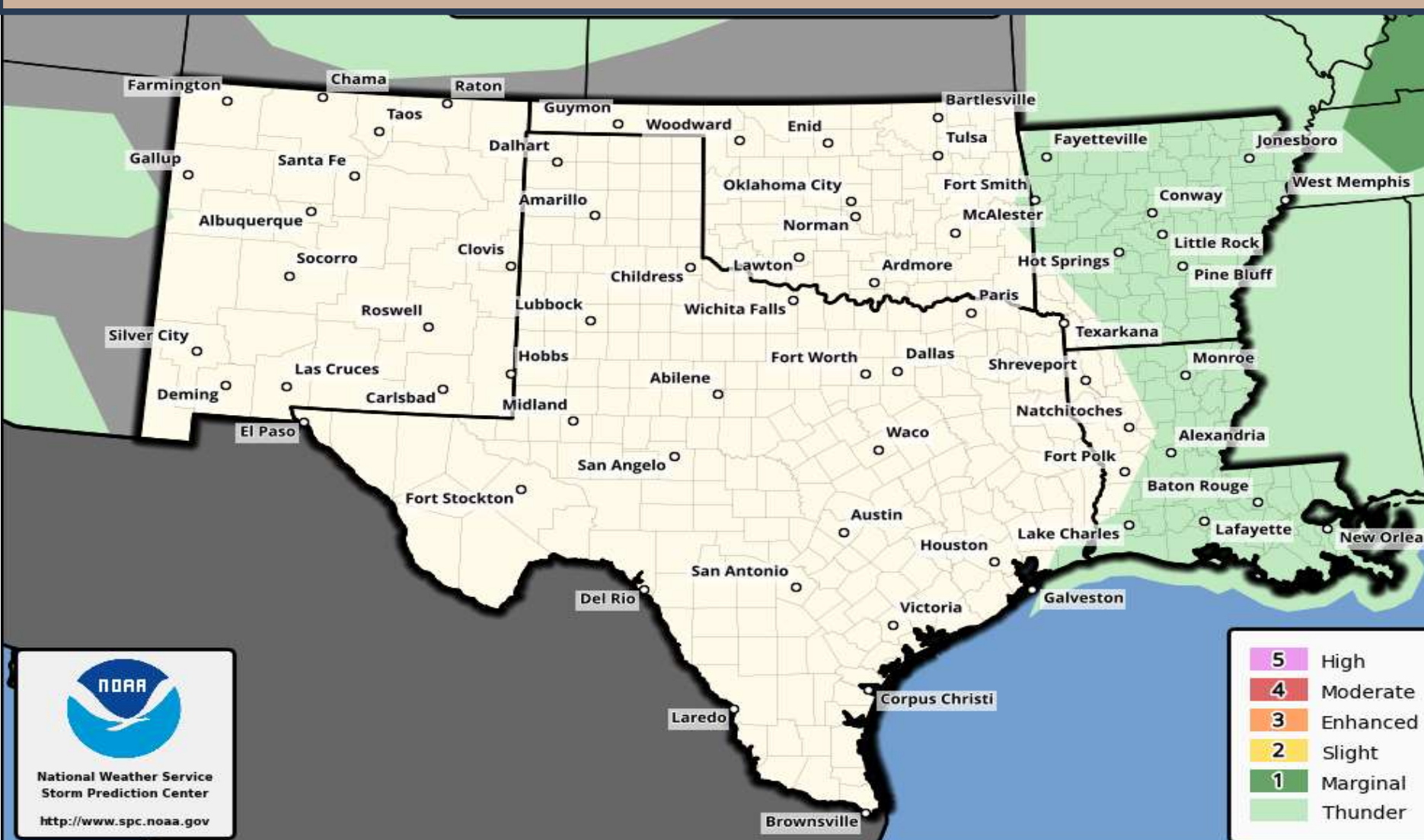


## Forecast Rainfall

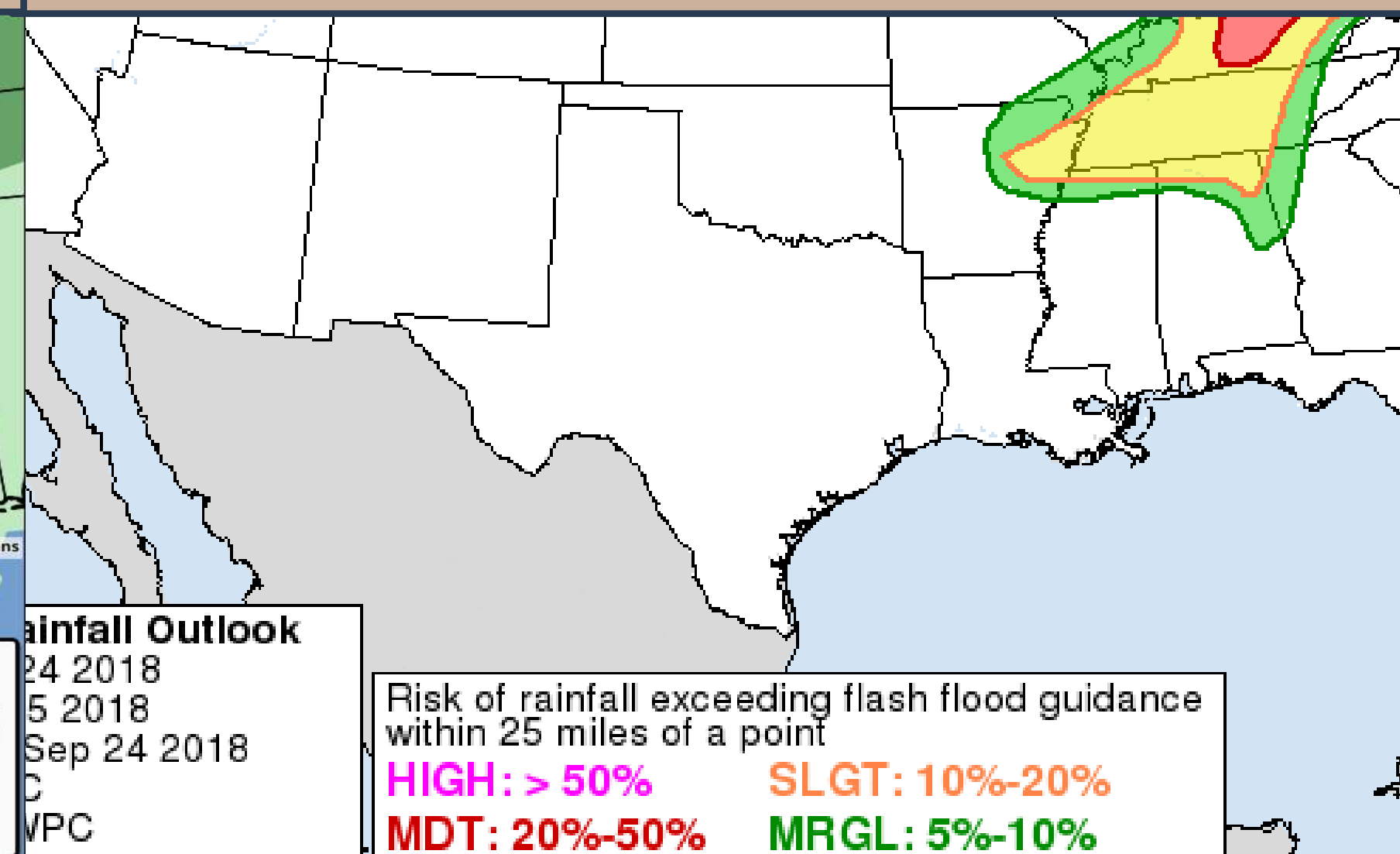


**Heavy rainfall will be possible  
in NE AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



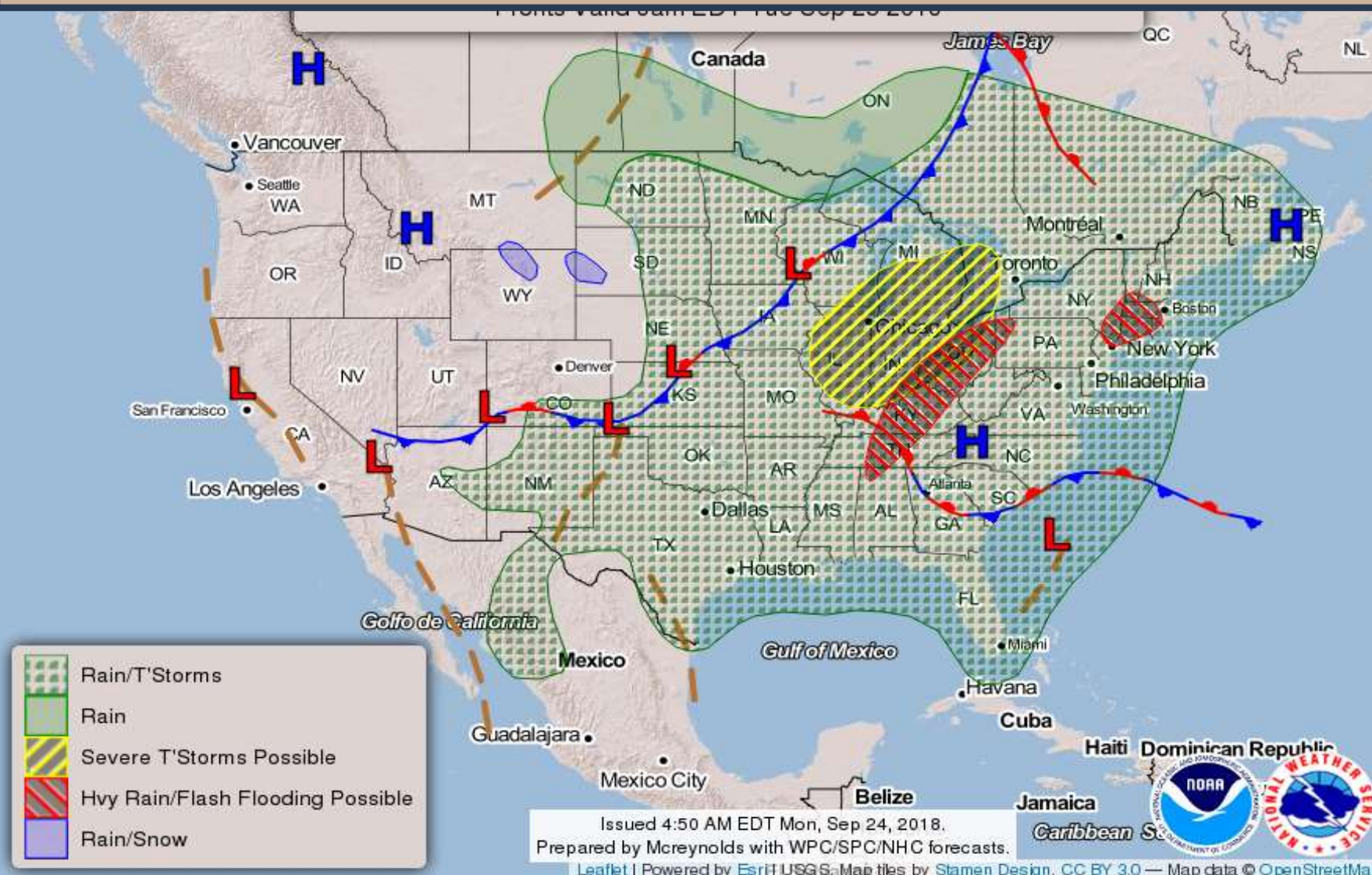


# Tomorrow's Weather

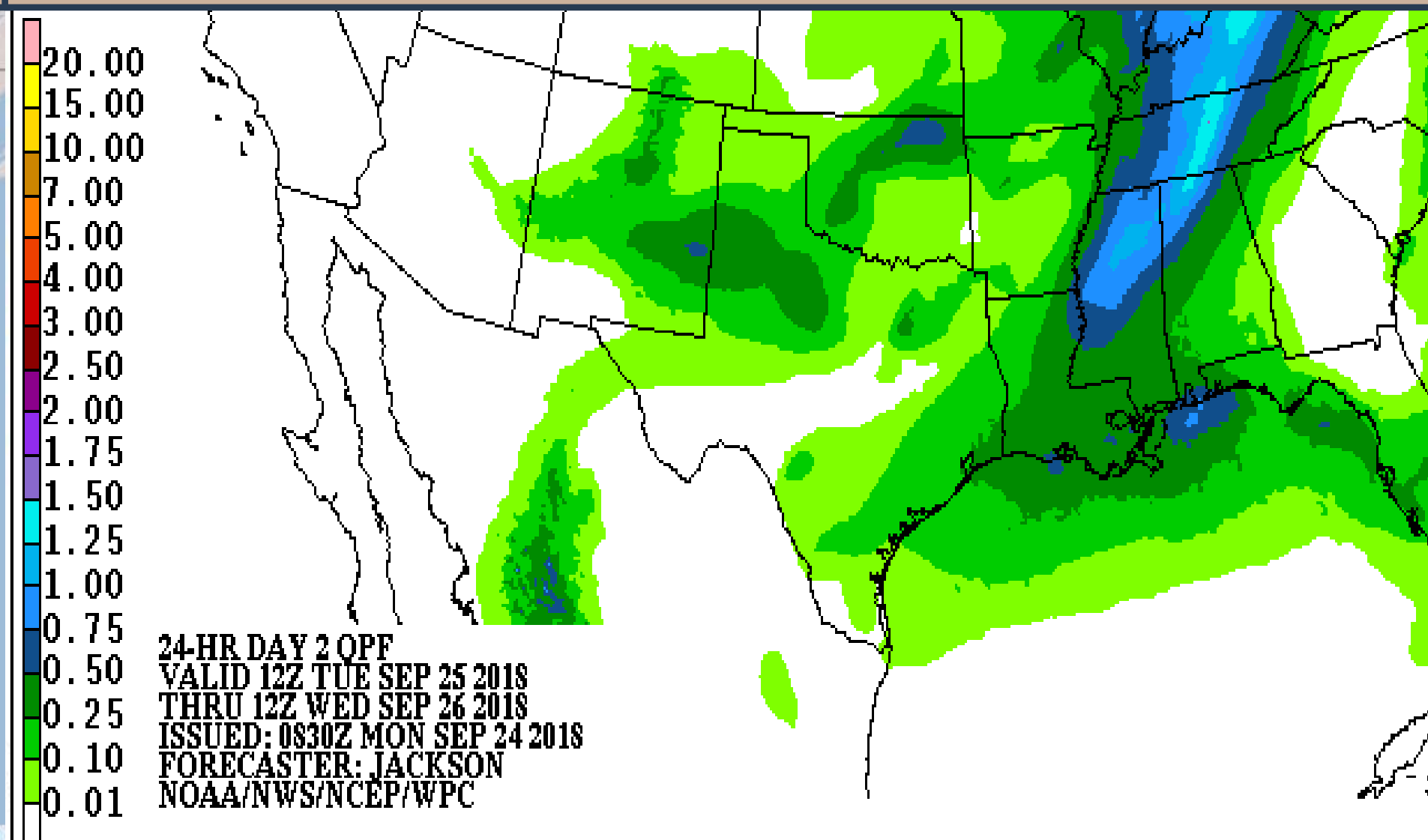


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## Forecast Chart



## Forecast Rainfall

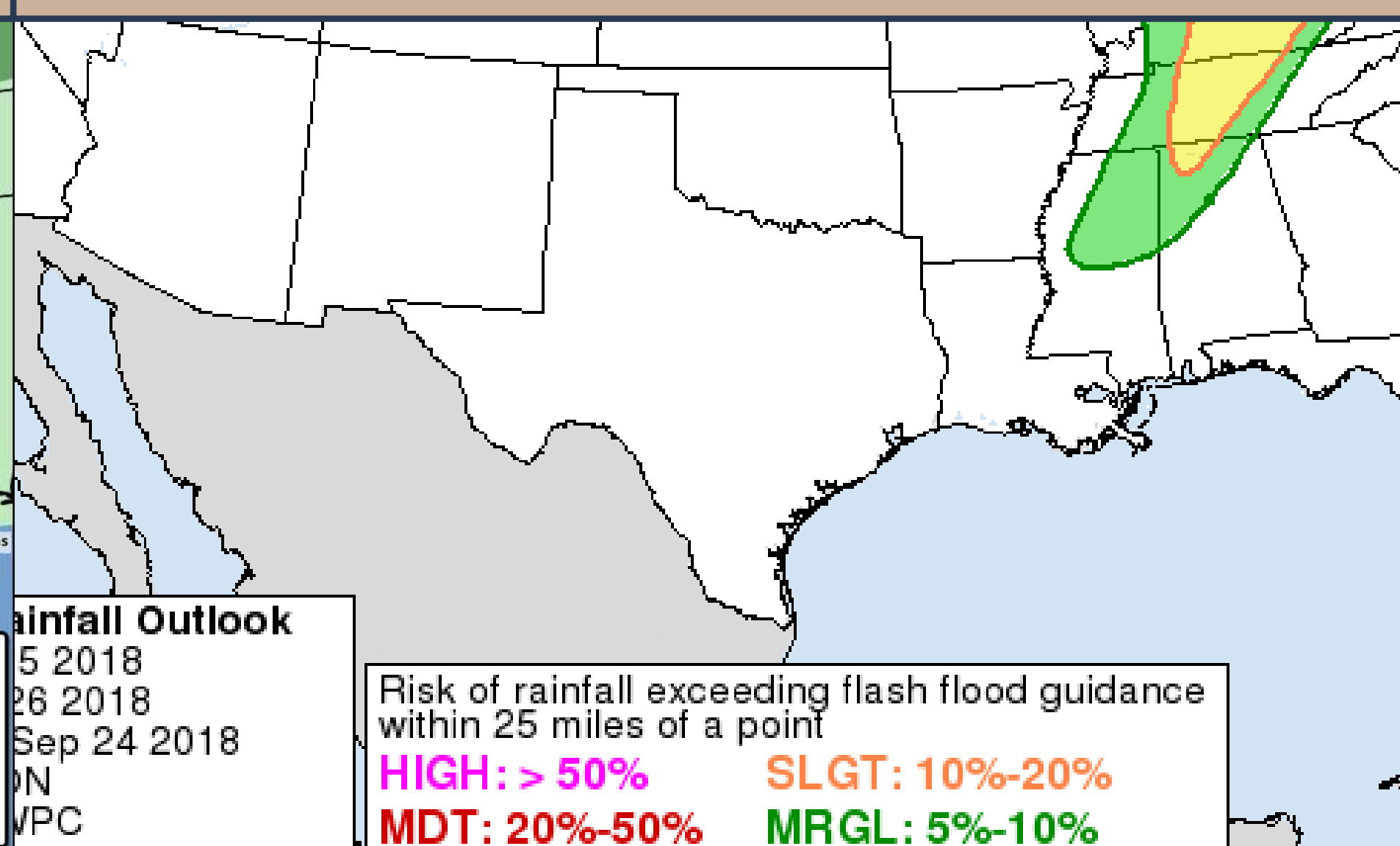


**No significant weather  
expected.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



**Rainfall Outlook**  
5 2018  
26 2018  
Sep 24 2018  
ON  
WPC

Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point  
**HIGH: > 50%** **SLGT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**



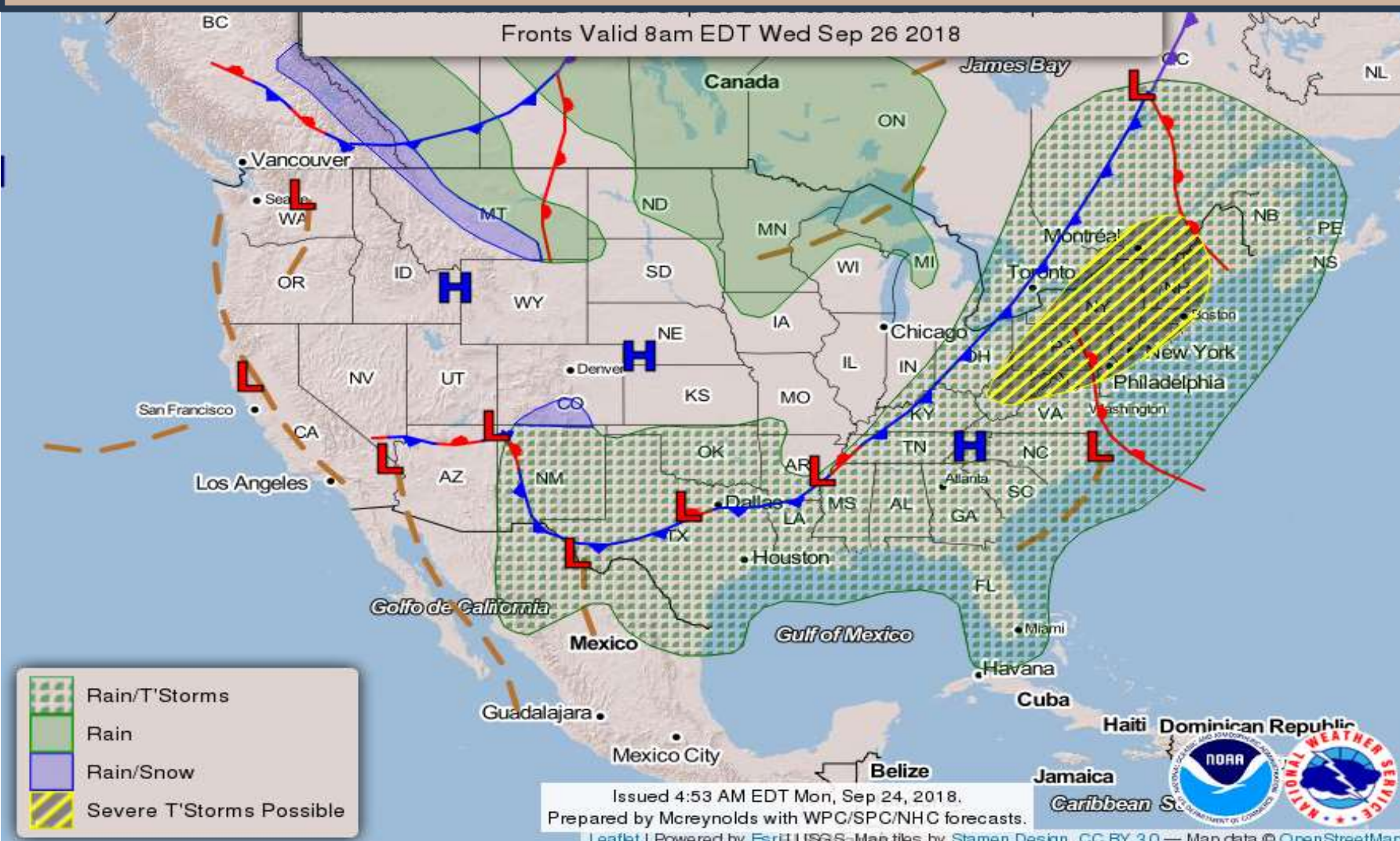


# Wednesday's Weather

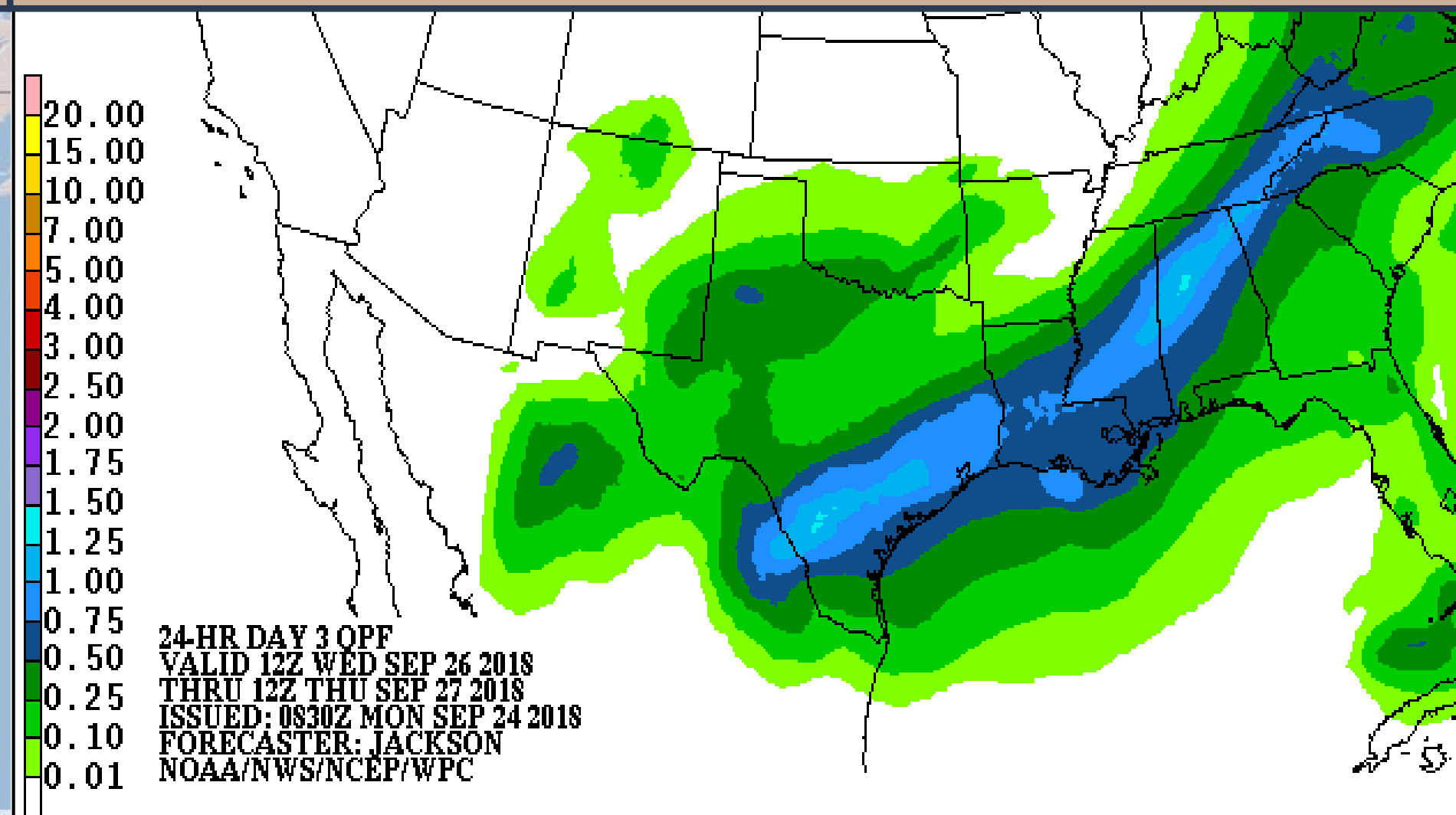


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## Forecast Chart



## Forecast Rainfall

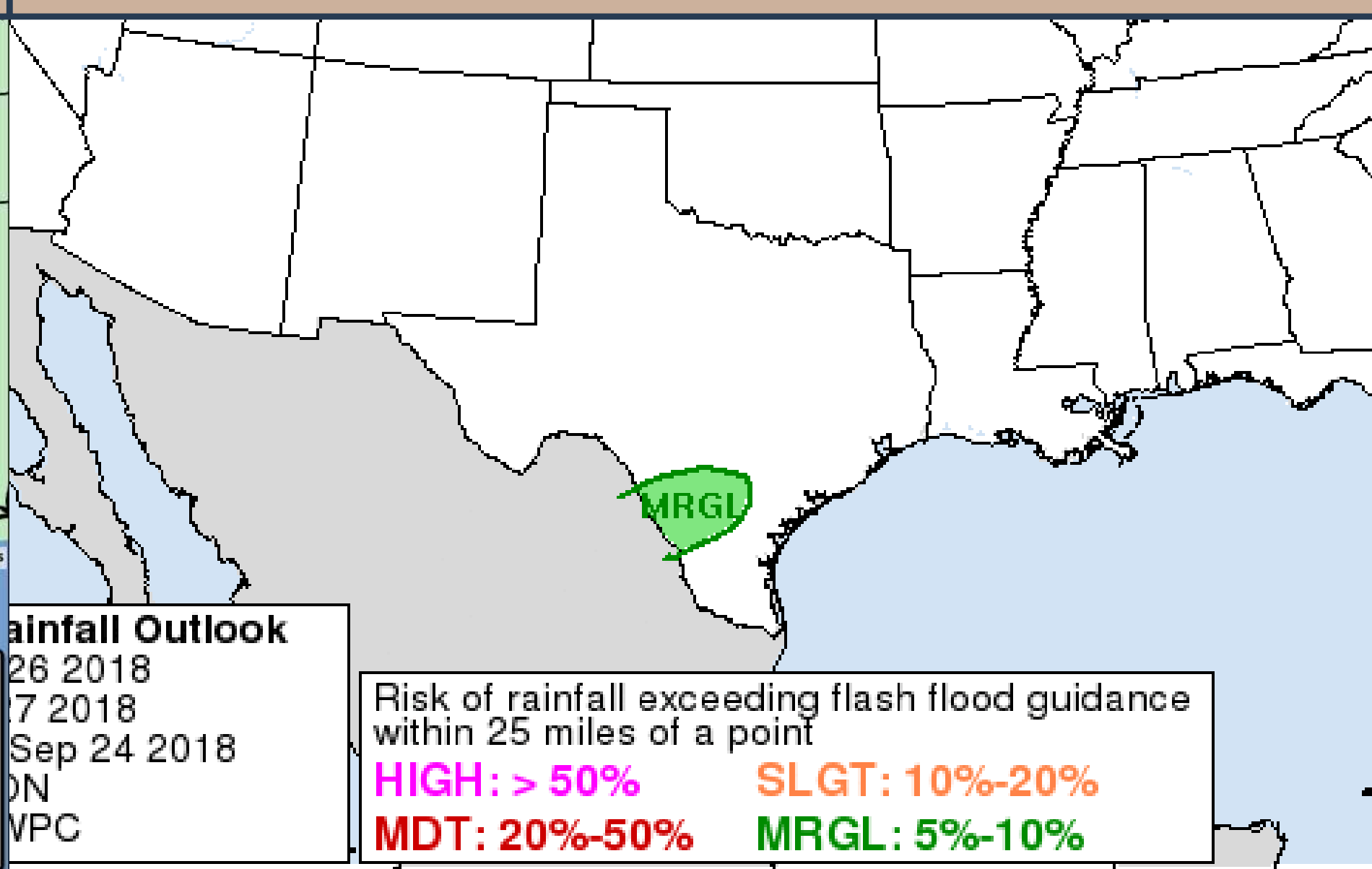


Isolated heavy rain possible  
over STX.

## Severe Weather Outlook



## Excessive Rainfall Outlook



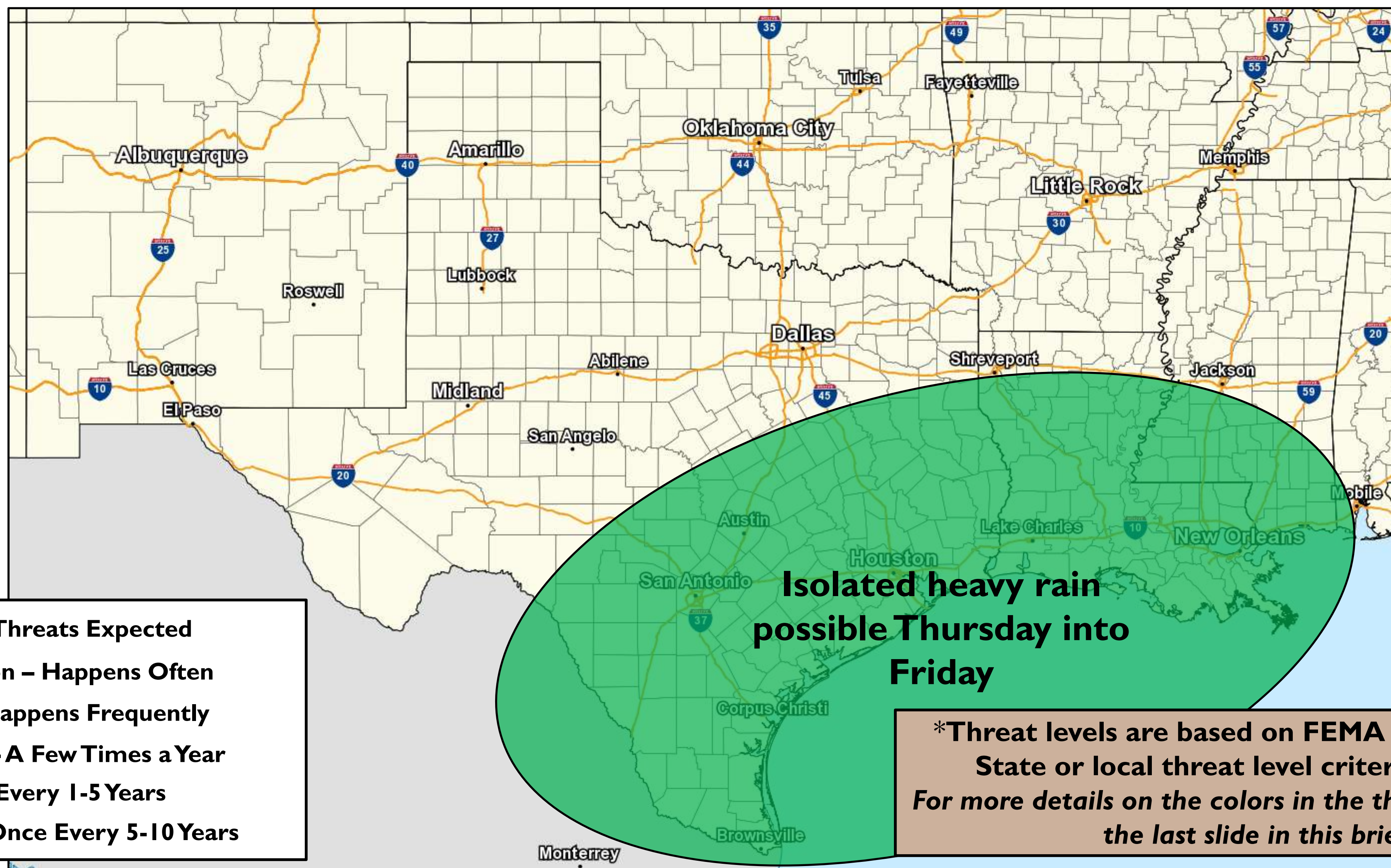


# Days 4-5 Weather Hazards

Thursday - Friday



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	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

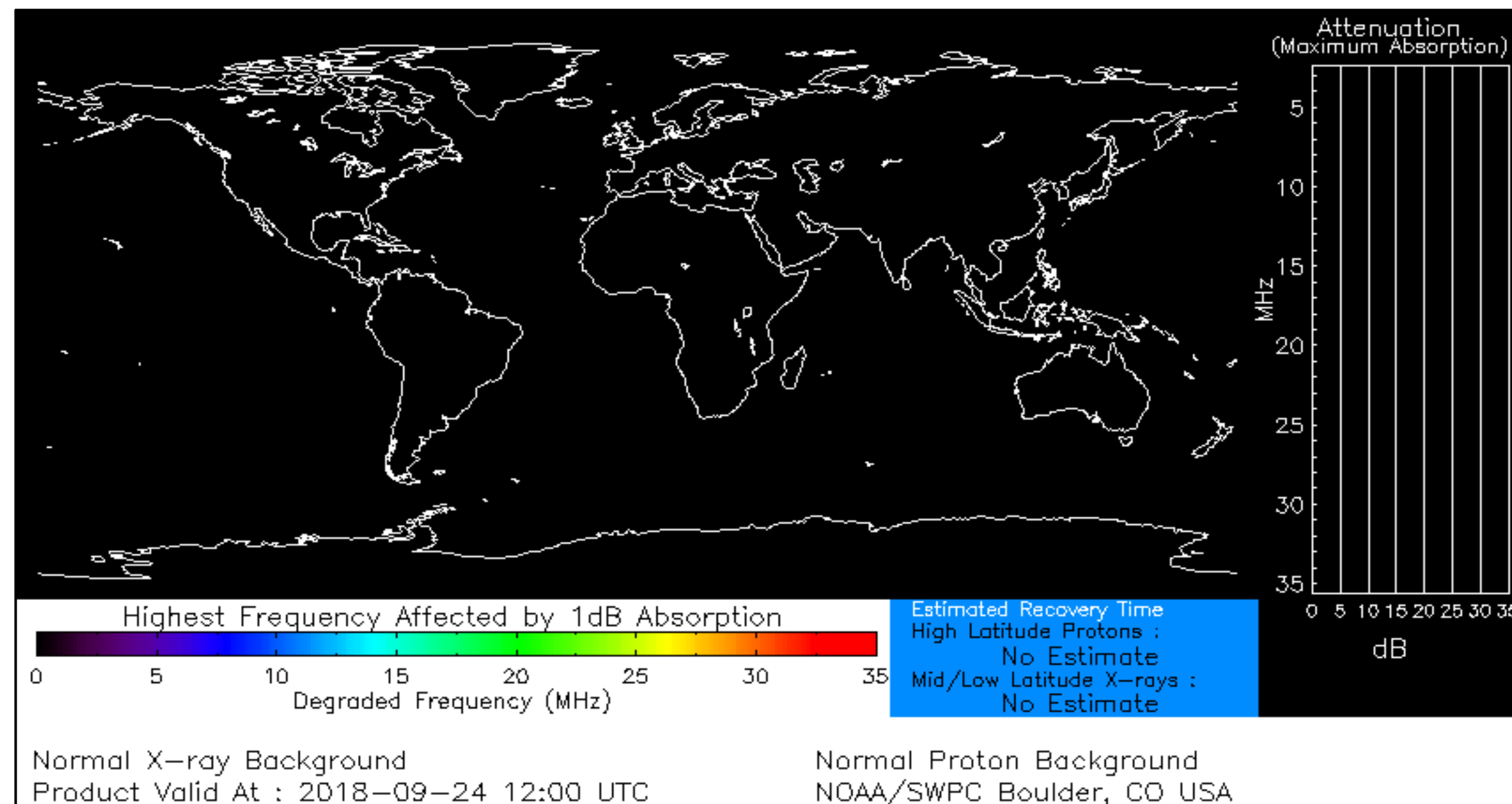


# Space Weather 3-Day Forecast



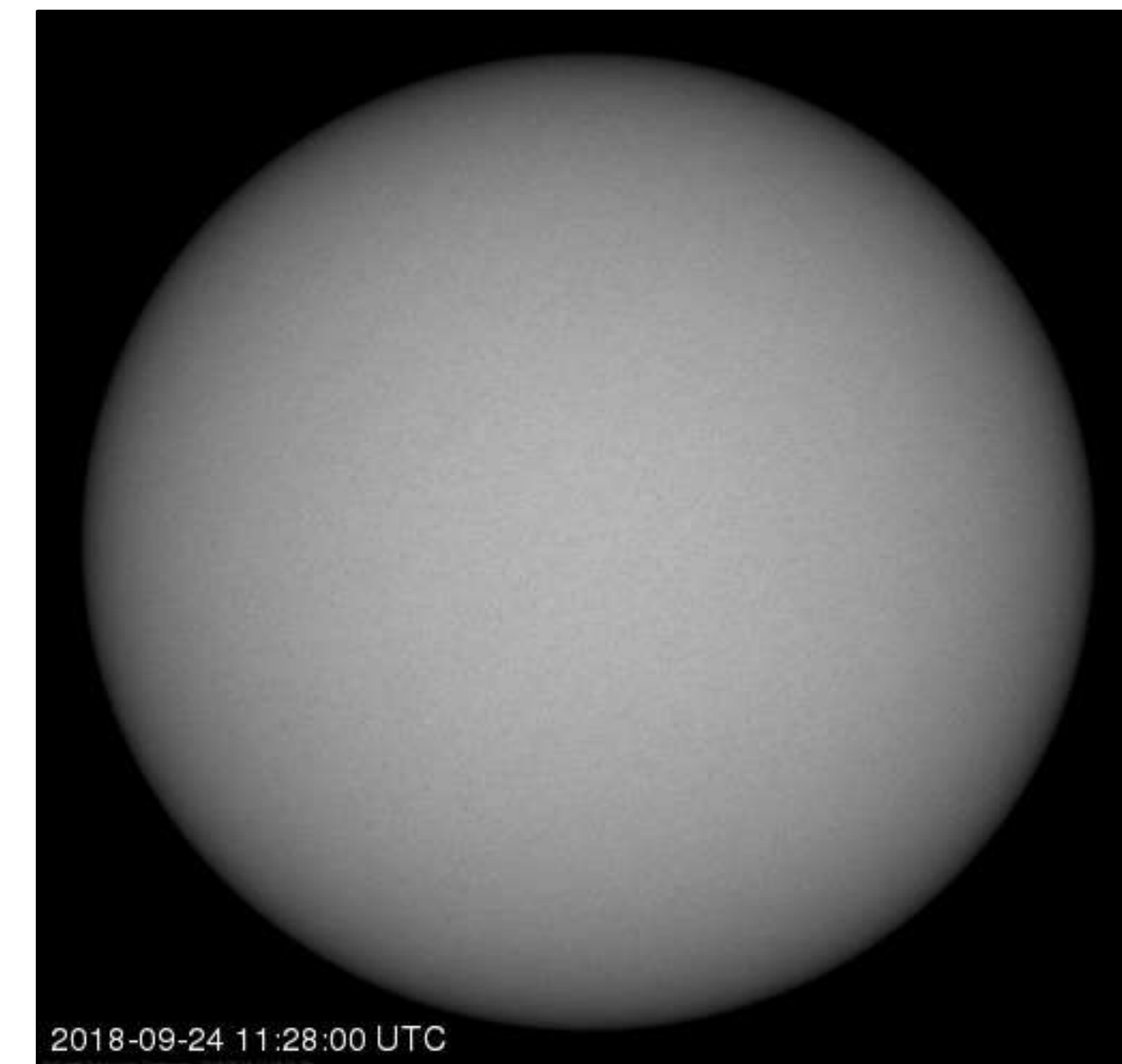
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	Monday	Tuesday	Wednesday
Geomagnetic Storms	Unsettled to Active (Max Kp = 4)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**